

**Amendments to the Claims:**

Claims 1-10 (cancelled).

11. (New) A method for updating firmware of computer device, comprising:

dividing a memory of said computer device into five portions, wherein a initial program is saved in the first portion, a old firmware is saved in the second portion, a old backup firmware is saved in the third portion, the checksum of said old firmware is saved in the fourth portion and the checksum of said old backup firmware is saved in the fifth portion;

executing said initial program in the first portion;

writing a new firmware into the second portion from an external device for replacing said old firmware in the second portion;

writing the checksum of said new firmware into the fourth portion from said external device;

writing said new firmware into the third portion from said external device for replacing said old backup firmware in the third portion;

writing the checksum of said new firmware into the fifth portion from said external device; and

executing said new firmware in the second portion for operating said computer device.

12. (New) The method for updating firmware of computer device according to claim 11, wherein said computer device includes a scanner.

13. (New) The method for updating firmware of computer device according to claim 11, wherein the step of executing said initial program further comprises:

verifying the correctness of said old firmware program in the second portion by checking the checksum of said old firmware in the fourth portion;

verifying the correctness of said old backup firmware program in the third portion by checking the checksum of said old firmware in the fifth portion; and

verifying the identity of said old firmware program and said old backup firmware program.



14. (New) The method for updating firmware of computer device according to claim 13, wherein the step of verifying the correctness of said old firmware program further comprises:

writing said old backup firmware program in the third portion into the second portion for renew said old firmware program when said old firmware program is defective; and

writing the checksum of said old backup firmware program in the fifth portion into the fourth portion for renew the checksum of said old firmware program.

15. (New) The method for updating firmware of computer device according to claim 13, wherein the step of verifying the correctness of said old backup firmware program further comprises:

writing said old firmware program in the second portion into the third portion for renew said old backup firmware program when said old backup firmware program is defective; and

writing the checksum of said old firmware program in the fourth portion into the fifth portion for renew the checksum of said old backup firmware program.

16. (New) The method for updating firmware of computer device according to claim 13, wherein the step of verifying the identity of said old firmware program and said old backup firmware program further comprises:

writing said old backup firmware program in the third portion into the second portion for renew said old firmware program when said old backup firmware program is different from said old firmware program; and

writing the checksum of said old backup firmware program in the fifth portion into the fourth portion for renew the checksum of said old firmware program.